



IV B.Tech II SEM A.Y - 2025 - 2026

BRANCH : ECE - A

**PROJECT TITLES WITH GUIDES**

| S.NO | Reg. NO     | Name of the Student        | Batch No | Name of the Guide       | Title of the project   |
|------|-------------|----------------------------|----------|-------------------------|--|
| 1    | 22MQ1A0423  | KEERTHI MEGHANA            | 22EC01   | Mr. M. Sateesh          | Design & verification of vending machine using verilog and system verilog        |
| 2    | 22MQ1A0439  | SARAKANAM RAJESH           |          |                         |  |
| 3    | 22MQ1A0410  | CHI VENKATA RAMANA         |          |                         |  |
| 1    | 22MQ1A0429  | M NAGA SAI GRESHMA         | 22EC02   | Dr. K. Murali Babu      | AES - Box Hardware with Efficiency Improvement Based on Linear LMO using verilog |
| 2    | 22MQ1A0433  | MUDDINENI CHARAN KUMAR     |          |                         |  |
| 3    | 22MQ1A0414  | DUSANAPUDI SOWJANYA        |          |                         |  |
| 1    | 22MQ1A0417  | GANTYADA YESODA            | 22EC03   | Mrs. P. Jyothi          | Design and verification of USART Serial communication                            |
| 2    | 22MQ1A0413  | DINTAKURTHI SAI KUMAR      |          |                         |  |
| 3    | 22MQ1A0445  | THOTA KAVYA                |          |                         |  |
| 1    | 22MQ1A0441  | SOMISETTI NAGA NAVYA SRI   | 22EC04   | Dr. R. Samba siva nayak | SRAM Cell design Using finfet for low power and delay                            |
| 2    | 22MQ05A0406 | GAMIDI YASASWIN KASI       |          |                         |  |
| 3    | 22MQ1A0420  | GORIPARTHI SUPRAJA         |          |                         |  |
| 1    | 22MQ1A0403  | BHOGADHI KAVITHA           | 22EC05   | Mr. J. J. Swaroop       | Design and Performance analysis of 64-bit Hybrid adders using verilog            |
| 2    | 22MQ1A0430  | MADIVADA ANJALI            |          |                         |  |
| 3    | 223C1A0404  | RAJULAPATI VENKATA SIRISHA |          |                         |  |
| 1    | 22MQ1A0425  | KOLLURI BHANUPRAKASHI      | 22EC06   | Mrs. K. Sowmya Sri      | Design and implementation of FR Fiber using Verilog                              |
| 1    | 22MQ05A0402 | RUSAM NAGASHARMI           |          |                         |  |
| 2    | 22MQ05A0408 | GUJUNURU DEEPTAVAN SAI     |          |                         |  |
| 3    | 22MQ1A0435  | P. SRANIDRA ADITHYAN       |          |                         |  |
| 4    | 22MQ1A0440  | SHARATHAN                  |          |                         |  |



|   |            |                       |        |               |   |
|---|------------|-----------------------|--------|---------------|---|
| 1 | 22MQ1A0421 | JALLURI KOMALIKA      |        |               |   |
| 2 | 22MQ1A0448 | Y KEERTHI ABHINAYA    | 22EC07 | Mr N Nagaraju | Noise Reduction in Low Light spinal image using CNN-Based spinal NET approach |
| 3 | 22MQ1A0418 | GOPU PRAISE PRAVEEN   |        |               |   |
| 4 | 22MQ1A0406 | BUDDANA PAVAN SANDEEP |        |               |   |

|   |            |                                |        |                      |   |
|---|------------|--------------------------------|--------|----------------------|---|
| 1 | 22MQ1A0434 | PATTAPU GAYATHRI               |        |                      |   |
| 2 | 22MQ1A0422 | KLEELA DURGA PRASAD RAO        | 22EC08 | Mr Y R K Paramahansa | Image-Based emotion recognition using deep neural network |
| 3 | 22MQ1A0411 | CHANDANA SAI KEERTHI           |        |                      |   |
| 4 | 22MQ1A0437 | RAJA GUNA SEKSHARA SAMBI REDDY |        |                      |   |

|   |            |                           |        |              |  |
|---|------------|---------------------------|--------|--------------|--|
| 1 | 22MQ1A0443 | TAMMIREDDY SIRISHA        |        |              |  |
| 2 | 23MQ5A0410 | KAGITHA HEMA              | 22EC09 | Mr D Sridhar | Multi modal feature disentanglement and contribution estimation for multimodality image fusion |
| 3 | 22MQ1A0416 | GAJULA MOKSHAGNA          |        |              |  |
| 4 | 22MQ1A0432 | MOPIDEVI PRUDHVI NARAYANA |        |              |  |

|   |            |                            |        |                        |  |
|---|------------|----------------------------|--------|------------------------|--|
| 1 | 23MQ5A0407 | GEDELA JAHNAVI             |        |                        |  |
| 2 | 22MQ1A0407 | BUSAM PAVANI               | 22EC10 | Mrs L J N Sree Lakshmi | Low Power MAC Architecture Used in DSP application |
| 3 | 22MQ1A0409 | CH NAGA VENKATA SAI MUKESH |        |                        |  |
| 4 | 22MQ1A0426 | K SH RAVINDRANATH TAGORE   |        |                        |  |

|   |            |                           |        |                  |  |
|---|------------|---------------------------|--------|------------------|--|
| 1 | 22MQ1A0424 | KOLLATI VIDHYA            |        |                  |  |
| 2 | 22MQ1A0402 | BANDARU CHARISHMA KEERTHI | 22EC11 | Mrs G N P Jyothi | Hybrid Deep Learning Architecture using attention- Driven analysis for optimal multi-scale speech processing |
| 3 | 22MQ1A0428 | KUTTUVA NAGARJUNA         |        |                  |  |
| 4 | 22MQ1A0431 | MARUBOINA NAGA SAILOKESH  |        |                  |  |

|   |            |                                |        |                 |   |
|---|------------|--------------------------------|--------|-----------------|---|
| 1 | 23MQ5A0401 | BOMMINEEDU PURNA SAI           |        |                 |   |
| 2 | 22MQ1A0447 | VAKA ANAND SKLE RAM            | 22EC12 | Mrs J S Deepika | Static random access memory using cadence virtuosso GPPDK 90NM technology |
| 3 | 22MQ1A0438 | S HARI VENKATA SAITYA SAIKUMAR |        |                 |   |
| 4 | 22MQ1A0405 | BOTTI A BHARGAVI               |        |                 |   |

|   |            |                              |        |                         |   |
|---|------------|------------------------------|--------|-------------------------|---|
| 1 | 22MQ5A0404 | DEEVI TEJO VAMSI KRISHNA     |        |                         |   |
| 2 | 22MQ1A0419 | GORIPARTHI SRI LAKSHMI DURGA | 22EC13 | Mr K G V. NAGESWARA Rao | AI powered vision system for automated quality grading of agriculture produce using image recognition |
| 3 | 22MQ1A0444 | JHOPULA HEMA SRI             |        |                         |   |
| 4 | 22MQ1A0408 | CHALAMALASETTY KIRAN         |        |                         |   |
| 1 | 22MQ1A0412 | D NAGA VENKATA SWATHI        |        |                         |   |
| 2 | 22MQ1A0449 | YERRAMSETTY NIHARIKA SRI     | 22EC14 | Mrs B. Sujatha          | Design and implementation of AMBA AXI 4.0 Master for high-speed performance Soc                       |
| 3 | 22MQ1A0427 | KOVVURI VENKATA PADMAVAATHI  |        |                         |   |
| 4 | 23MQ5A0409 | GUTTI DONTHU NAGA SAHITHI    |        |                         |   |
| 1 | 22MQ1A0436 | PUTTI BINDU PAVANI           |        |                         |   |
| 2 | 23MQ5A0403 | DASARI NARENDRA SAI KUMAR    | 22EC15 | Dr A chandra Suresh     | Android Based wifi Controlled Robot using Raspberry Pi  |
| 3 | 22MQ1A0404 | BODICHERLA BHANU SAI PRAKASH |        |                         |   |
| 4 | 22MQ1A0401 | ANUMUKONDA GANGA BHAVANI     |        |                         |   |

Co-ordinator  


  
 Head





PROJECT TITLES WITH GUIDES

| S.NO | Reg.No     | Name of the Student         | Batch .NO | Name of the Guide      | Title of the project  |
|------|------------|-----------------------------|-----------|------------------------|---|
| 1    | 22MQ1A0483 | TOTA NAGA MANIKANTA         | 22EC16    | Mrs S. Rajeswari       | Adaptive DVFS and Power-Gated VLSI Techniques for Energy-Efficient Wireless Sensor Node Design  |
| 2    | 22MQ1A0464 | G VEERA VENKATA SIVA SANKAR |           |                        |   |
| 3    | 22MQ1A0469 | KANCHARLAPALLI MAHALAKSHMI  |           |                        |   |
| 1    | 23MQ5A0412 | K SRI NAGA VENKATA SUKANYA  | 22EC17    | Mrs L.J.N Sree Lakshmi | Design and verification of car parking management system using verilog  |
| 2    | 23MQ5A0418 | LUKKA MANASA                |           |                        |   |
| 3    | 22MQ1A0467 | JUNGA SANDHYA SREE          |           |                        |   |
| 4    | 22MQ1A0485 | VENNA CHIRU LAKSHMI         |           |                        |   |
| 1    | 22MQ1A0466 | JOGI SAI PUJITHA            | 22EC18    | Mr Y.R.K. Paramahansa  | Manual & semi Autonomus weed identification Robot   |
| 2    | 22MQ1A0450 | A DEVI VENKATESWARARAMMA    |           |                        |   |
| 3    | 23MQ5A0430 | PUVVALA LAKSHMI DURGA       |           |                        |   |
| 4    | 22MQ1A0481 | SIRAMDASU KUMAR             |           |                        |   |
| 1    | 23MQ5A0423 | METLA SAI JYOTHI            | 22EC19    | Mr N Nagaraju          | Wide Load range high current Accuracy Low drop out regulator with load tracking compensation and dual soft start for wireless Charging System |
| 2    | 23MQ5A0415 | KOLLIPARA SAI RAJESH        |           |                        |   |
| 3    | 22MQ1A0465 | GUTLA SRIKANTHI             |           |                        |   |
| 4    | 22MQ1A0453 | B TELASWI SAI MANIDEEP      |           |                        |   |
| 1    | 22MQ1A0472 | KODURU VINODINI             | 22EC20    | Ms R Indira            | Face detection using image Processing   |
| 2    | 22MQ1A0457 | CHAPPALA HARITHA SAI        |           |                        |   |
| 3    | 23MQ5A0425 | NERUSU NAGA SAI SRIVALLI    |           |                        |   |
| 4    | 22MQ1A0455 | CHALADI KANAKADURGA         |           |                        |   |



|   |            |                       |        |              |   |
|---|------------|-----------------------|--------|--------------|---|
| 1 | ZM02SAG02N | PIPPALAKRISHNA        |        |              |   |
| 2 | ZM02SAG02S | NAKSHITTA V. ASH RABU | Z2EC21 | Mr. CH Anand | Implementation of 12bit R-2R DAC using cadence virtuoso in EDA/IC of new digital technology |
| 3 | ZM02SAG02I | KAMITHIRAJA LAKSHI    |        |              |   |
| 4 | ZM02SAG02S | V LAVANYA CHARAN TEJA |        |              |   |

|   |            |                        |        |                 |   |
|---|------------|------------------------|--------|-----------------|---|
| 1 | ZM02SAG02  | GOPSETTY GAYATHRI      |        |                 |   |
| 2 | ZM02SAG026 | CHANDANA KALYAN        | Z2EC22 | Mrs J S Deepika | Compact Super wideband frequency diversity hexagonal shaped monopole antenna with Switchable rejection band |
| 3 | ZM02SAG020 | SANKULA SAI RAJU       |        |                 |   |
| 4 | ZM02SAG024 | JOGI NAGA SIVA KRISHNA |        |                 |   |

|   |            |                              |        |             |   |
|---|------------|------------------------------|--------|-------------|---|
| 1 | ZM02SAG02I | OH LAKSHMI NARASIMHASWAMY    |        |             |   |
| 2 | ZM02SAG029 | MANJULAPALLI NAGA SAI VAANSI | Z2EC23 | Mr D Sudhar | Medical image Fusion on latent Low rank representation and hesitant fuzzy granular energy |
| 3 | ZM02SAG024 | M JENGA VENKATA NAGA SAI     |        |             |   |
| 4 | ZM02SAG02  | SERIKALLAPU CHETAN PAVAN     |        |             |   |

|   |            |                          |        |             |   |
|---|------------|--------------------------|--------|-------------|---|
| 1 | ZM02SAG025 | DRISANAPURU POOTHIA      |        |             |   |
| 2 | ZM02SAG021 | AVULA SAI VENKATA HARIKA | Z2EC24 | Mr P Jyothi | Raspberry pi- based real-time air pollution tracker |
| 3 | ZM02SAG023 | KATARAMI P. OTHSNA       |        |             |   |
| 4 | ZM02SAG02T | PAMARATHI VENKAT         |        |             |   |

|   |            |                           |        |                 |  |
|---|------------|---------------------------|--------|-----------------|--|
| 1 | ZM02SAG02I | GANDU SRIBHAS             |        |                 |  |
| 2 | ZM02SAG02I | POTIANTAM KRISHNA TEJA    | Z2EC25 | Mr B Sudhar Rao | Smart Fire Detection System Using Raspberry Pi |
| 3 | ZM02SAG02  | K. SIVADA SHARATH KRISHNA |        |                 |  |

|   |            |                                |        |                      |   |
|---|------------|--------------------------------|--------|----------------------|---|
| 1 | ZM02SAG02T | MASTHA MURUGAN PRISANI KUNJASR |        |                      |   |
| 2 | ZM02SAG024 | BRUNDA S. SRI RAM              | Z2EC26 | Mr CH N V Tejashwini | IoT BASED Digital Notice Board Using Raspberry Pi |
| 3 | ZM02SAG02T | RAJESH K. MAHESHWARI           |        |                      |   |
| 4 | ZM02SAG02  | SRINIVASA RAO                  |        |                      |   |



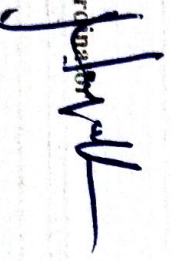
|   |            |                         |        |               |  |
|---|------------|-------------------------|--------|---------------|--|
| 1 | 22MQ1A0473 | KOPPANATHI LOKESH       |        |               |  |
| 2 | 22MQ1A0470 | KASA RENUKA             | 22EC27 | Mrs G. Karuna | Design and verification of Asynchronous FIFO |
| 3 | 22MQ1A0471 | KATAKAM SIRISHA         |        |               |  |
| 4 | 22MQ1A0484 | V NAGA BHARGAVA KRISHNA |        |               |  |

|   |            |                          |        |                 |   |
|---|------------|--------------------------|--------|-----------------|---|
| 1 | 22MQ1A0475 | MOVVA VENKATA SUBHASHINI |        |                 |   |
| 2 | 23MQ5A0428 | PEDDAPALLI TANUJA        | 22EC28 | Mr J.J. Swaroop | IOT Based weather monitoring station using Raspberry pi |
| 3 | 22MQ1A0477 | PALAPARTHI JAAGADEESH    |        |                 |   |
| 4 | 23MQ5A0420 | MANNEM MUTTESWARI        |        |                 |   |

|   |            |                               |        |                   |   |
|---|------------|-------------------------------|--------|-------------------|---|
| 1 | 23MQ5A0432 | SOMU HARISH VENKATA MANIKANTA |        |                   |   |
| 2 | 23MQ5A0414 | KATTULA VASU                  | 22EC29 | Mrs K. Sowmya Sri | Standard cells using cadence virtuosio in GPDK 90nm CMOS technology |
| 3 | 22MQ1A0478 | PAMARTHI TEJASWINI            |        |                   |   |
| 4 | 22MQ1A0479 | PARIM MOHITHA                 |        |                   |   |

|   |            |                |        |                      |  |
|---|------------|----------------|--------|----------------------|--|
| 1 | 23MQ5A0424 | NALAM DHEERAJ  |        |                      |  |
| 2 | 22MQ1A0461 | GOLINA VYA     | 22EC30 | Dr A.chandira Suresh | ANNI model-assisted Quad port UWB MIMO antenna with enhanced isolation for WLAN and sub-6 GHz wireless |
| 3 | 23MQ5A0417 | KURMA MAHENDRA |        |                      |  |
| 4 | 23MQ5A0426 | PALLA RAJESH   |        |                      |  |

Co-ordinator








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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## CERTIFICATE

This is to certify that the thesis entitled “**LOW POWER MAC ARCHITECTURE USED IN DSP APPLICATIONS**” being submitted by

|                 |            |
|-----------------|------------|
| G.JAHNAVI       | 23MQ5A0407 |
| B.PAVANI        | 22MQ1A0407 |
| CH.N.V.S.MUKESH | 22MQ1A0409 |
| K.S.R.TAGORE    | 22MQ1A0426 |

In partial fulfillment of the requirements for the award of degree of B.Tech in Electronics and Communication Engineering from **Jawaharlal Nehru Technological University Kakinada, Kakinada** is a record of bonafide work carried out by them at Sri Vasavi Institute of Engineering & Technology


The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.



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Pedana, Pedana, Krishna Dt., A.P.  
Professor

EXTERNAL EXAMINER





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This is to certify that the thesis entitled **“DESIGN AND VERIFICATION OF UART SERIAL COMMUNICATION”** being submitted by

**G. YESHODA**

**22MQ1A0417**

**D. SAI KUMAR**

**22MQ1A0413**

**T. KAVYA**

**22MQ1A0445**

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Assistant Professor

**Head of the Department**  
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**Dr. A. CHANDRA SURESH**  
NANDAMURU - 521 869 Tech, Ph.D  
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### CERTIFICATE

This is to certify that the thesis entitled **“ANN Model-assisted quad-port UWB MIMO antenna with enhanced isolation for WLAN and Sub-6 GHz wireless applications”** being submitted by

**N.DHEERAJ**

**23MQ5A0424**

**G.NAVYA**

**22MQ1A0461**

**K.MAHENDRA**

**23MQ5A0417**

**P.RAJESH**

**23MQ5A0426**

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Professor

  
HoD

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### CERTIFICATE

This is to certify that the entitled **“SRAM CELL DESIGN USING FINFET FOR LOWPOWER AND DELAY”** Being submitted by

**S. NAGA NAVYA SRI**

**22MQ1A0441**

**G. YASASWIN KASI**

**23MQ5A0406**

**G. SUPRAJA**

**22MQ1A0420**

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Project Guide

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Associate professor

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING  
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This is to certify that the thesis entitled "**Hybrid Deep Learning Architecture Using Attention-Driven Analysis for Optimal Multi-Scale Speech Processing**" being submitted by

**K.VIDHYA**

**22MQ1A0424**

**B.CHARISHMA KEERTHI**

**22MQ1A0402**

**K.NAGARJUNA**

**22MQ1A0428**

**M.N.S.LOKESH**

**22MQ1A0431**

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**Project Guide**

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**HOD**  
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This is to certify that the thesis entitled "**Design and implementation of AMBA AXI 4.0 Master for High – Speed Performance soC**" being submitted by

|                        |                   |
|------------------------|-------------------|
| <b>D. N V SWATHI</b>   | <b>22MQ1A0412</b> |
| <b>Y. NIHARIKA SRI</b> | <b>22MQ1A0449</b> |
| <b>K. V PADMAVATHI</b> | <b>22MQ1A0427</b> |
| <b>G. D N SAHITHI</b>  | <b>23MQ5A0409</b> |


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## CERTIFICATE

This is to certify that the thesis entitled "**FACE DETECTION USING IMAGE PROCESSING**" being submitted by

**K. VINODINI**

**22MQ1A0472**

**CH. HARITHA SAI**

**22MQ1A0457**

**N. SRIVALLI**

**23MQ5A0425**

**CH. KANAKADURGA**

**22MQ1A0455**

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### CERTIFICATE

This is to certify that the thesis entitled **“AI-POWERED VISION SYSTEM FOR AUTOMATED QUALITY GRADING OF AGRICULTURAL PRODUCE USING IMAGE RECOGNITION”** being submitted by

|                             |                   |
|-----------------------------|-------------------|
| <b>D.TEJO VAMSI KRISHNA</b> | <b>23MQ5A0404</b> |
| <b>G.SRI LAKSHMI DURGA</b>  | <b>22MQ1A0419</b> |
| <b>T.HEMA SRI</b>           | <b>22MQ1A0444</b> |
| <b>CH.KIRAN</b>             | <b>22MQ1A0408</b> |

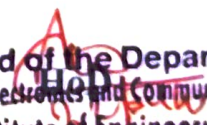
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## CERTIFICATE

This is to certify that the entitled "NOISE REDUCTION IN LOW LIGHT SPINAL IMAGES USING CNN BASED SPINAL NET APPROACH" Being submitted by

|                     |            |
|---------------------|------------|
| J. KOMALIKA         | 22MQ1A0421 |
| Y. KEERTHI ABHINAYA | 22MQ1A0448 |
| G. PRAISE PRAVEEN   | 22MQ1A0418 |
| B. PAVAN SANDEEP    | 22MQ1A0406 |

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## CERTIFICATE

This is to certify that the thesis entitled "Design and verification of asynchronous FIFO" being submitted by

**K. LOKESH**

**22MQ1A0473**

**K. RENUKA**

**22MQ1A0470**

**K. SIRISHA**

**22MQ1A0471**

**V. NAGA BHARGAVA KRISHNA**

**22MQ1A0484**

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## CERTIFICATE

This is to certify that the thesis entitled "**STANDARD CELLS USING CADENCE VIRTUOSO GSDK 90NM TECHNOLOGY**" being submitted by

**S.HARISH VENKATA MANIKANTA**

**23MQ5A0432**

**K.VASU**

**23MQ5A0414**

**P.TEJASWINI**

**22MQ1A0478**

**P.MOHITHA**

**22MQ1A0479**

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## CERTIFICATE

This is to certify that the thesis entitled **“ADAPTIVE DVFS AND POWER-GATED VLSI TECHNIQUES FOR ENERGY-EFFICIENT WIRELESS SENSOR NODE DESIGN”** being submitted by

**T. NAGA MANIKANTA**

**22MQ1A0483**

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**22MQ1A0464**

**K. MAHA LAKSHMI**

**22MQ1A0469**

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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**CERTIFICATE**

This is to certify that the thesis entitled **-Android Based WI-FI Controlled Robot Using Raspberry Pi-** being submitted by

|                             |                   |
|-----------------------------|-------------------|
| <b>D.NARENDRA SAI KUMAR</b> | <b>23MQ5A0403</b> |
| <b>P.BINDU PAVANI</b>       | <b>22MQ1A0436</b> |
| <b>B.BHANU SAI PRAKASH</b>  | <b>22MQ1A0404</b> |
| <b>A.GANGA BHAVANI</b>      | <b>22MQ1A0401</b> |

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**CERTIFICATE**

This is to certify that the thesis entitled "**MEDICAL IMAGE FUSION ON LATENT LOW RANK REPRESENTATION AND HESITANT FUZZY GRANULAR ENERGY**" being submitted by

**CH. L N SWAMY**

**22MQ1A0458**

**M. N S VAMSI**

**23MQ5A0419**

**M. JYOTHSNA U V N S**

**22MQ1A0474**

**S. CHETAN PAVAN**

**22MQ1A0482**

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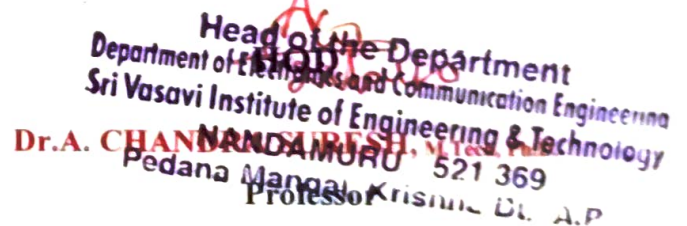
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**NANDANURESH, M.Tech., Ph.D**  
**Pedana Mangal, Krishna Dt. A.P.**  
**Professor**

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## CERTIFICATE

This is to certify that the thesis entitled "**RASPBERRY-PI BASED REAL-TIME AIR POLLUTION TRACKER**" being submitted by

|                     |                   |
|---------------------|-------------------|
| <b>D.POOJITHA</b>   | <b>23MQ5A0405</b> |
| <b>A.S.V.HARIKA</b> | <b>22MQ1A0451</b> |
| <b>K.JYOTHSNA</b>   | <b>23MQ5A0413</b> |
| <b>P.VENKAT</b>     | <b>23MQ5A0427</b> |

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*A.S.*  
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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**CERTIFICATE**

This is to certify that the thesis entitled **“Compact Super Wideband Frequency Diversity Hexagonal Shaped Monopole Antenna With Switchable Rejection Band”** being submitted by

|                            |                   |
|----------------------------|-------------------|
| <b>G.GAYATHRI</b>          | <b>22MQ1A0462</b> |
| <b>CH.KALYAN</b>           | <b>22MQ1A0456</b> |
| <b>S.SAI RAJU</b>          | <b>22MQ1A0480</b> |
| <b>J.NAGA SIVA KRISHNA</b> | <b>23MQ5A0434</b> |

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**Mrs.J.S.Deepika, M. Tech**

Assistant Professor

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Pedana, Nellore, Andhra Pradesh - 522 509  
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### CERTIFICATE

This is to certify that the thesis entitled **“WIDE LOAD RANGE, HIGH CURRENT ACCURACY LOW DROP OUT REGULATOR WITH LOAD TRACKING COMPENSATION AND DUAL SOFT START FOR WIRELESS CHARGING SYSTEM”** being submitted by

|                        |                   |
|------------------------|-------------------|
| <b>M. SAI JYOTHI</b>   | <b>23MQ5A0423</b> |
| <b>K.SAI RAJESH</b>    | <b>23MQ5A0415</b> |
| <b>G. SRIKANTH</b>     | <b>22MQ1A0465</b> |
| <b>B.T.S. MANIDEEP</b> | <b>22MQ1A0453</b> |


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## CERTIFICATE

This is to certify that the thesis entitled **"AES S-BOX HARDWARE EFFICIENCY IMPROVEMENT BASED ON LMO USING VERILOG"** being submitted by

**M.N.S. GREESHMA**

**22MQ1A0429**

**M.CHARAN**

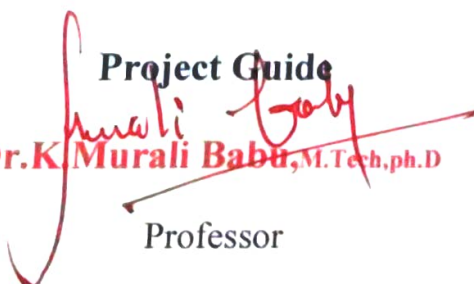
**22MQ1A0433**

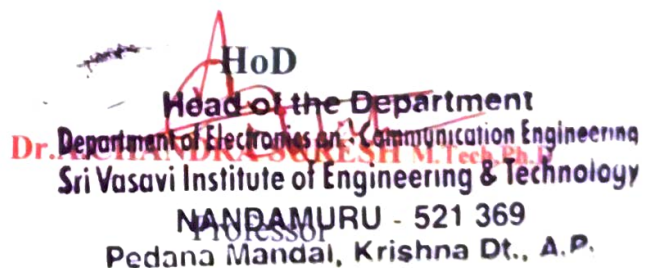
**D.SOWJANYA**

**22MQ1A0414**

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This is to certify that the thesis entitled **“SMART FIRE DETECTION SYSTEM USING RASPBERRY PI”** being submitted by

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**23MQ5A0411**

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**23MQ5A0433**

**G.SHARMILI KRISHNA**

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This is to certify that the thesis entitled "**MANUAL & SEMI AUTONOMOUS WEED IDENTIFICATION ROBOT**" being submitted by

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**A. DEVI VENKATESWARAMMA**

**22MQ1A0450**

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**23MQ5A0430**

**S. KUMAR**

**22MQ1A0481**

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**CERTIFICATE**

This is to certify that the thesis entitled "DESIGN AND IMPLEMENTATION OF FIR FILTER USING VERILOG" being submitted by

|                          |                   |
|--------------------------|-------------------|
| <b>B.NAGA SHARMI</b>     | <b>23MQ5A0402</b> |
| <b>G.JEEVAN SAI</b>      | <b>23MQ5A0408</b> |
| <b>P.CHANDRA ADITHYA</b> | <b>22MQ1A0435</b> |
| <b>SHAIK IMRAN</b>       | <b>22MQ1A0440</b> |

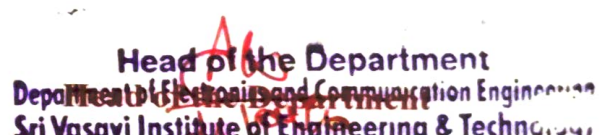
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**CERTIFICATE**

This is to certify that the entitled **"IMAGE BASED EMOTION RECOGNITION USING DEEP NEURAL NETWORK"** being submitted by

**P. GAYATHRI**

**22MQ1A0434**

**K.L.D.PRASAD RAO**

**22MQ1A0422**

**CH. SAI KEERTHI**

**22MQ1A0411**

**R. SAMBI REDDY**

**22MQ1A0437**

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HOD

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## CERTIFICATE

This is to certify that the thesis entitled “**DESIGN AND VERIFICATION OF CAR PARKING MANAGEMENT SYSTEM USING VERILOG**” being submitted by

**K.S.N.V.Sukanya**

**23MQ5A0412**

**L.Manasa**

**23MQ5A0418**

**J.Sandhya Sree**

**22MQ1A0467**

**V . Chiru Lakshmi**

**22MQ1A0485**

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**CERTIFICATE**

This is to certify that the thesis entitled **“IoT Based Digital Notice Board using Raspberry Pi”** being submitted by

|                             |                   |
|-----------------------------|-------------------|
| <b>M. Mohan Phani Kumar</b> | <b>23MQ5A0421</b> |
| <b>B. Suresh</b>            | <b>22MQ1A0454</b> |
| <b>M. Naveen</b>            | <b>23MQ5A0422</b> |
| <b>B. Kaveri</b>            | <b>22MQ1A0452</b> |

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*Ch. N.V. Tirumala*  
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This is to certify that the thesis entitled “**STATIC RANDOM ACCESS MEMORY USING CADENCE VIRTUOSO GSDK 90nm TECHNOLOGY**” being submitted by

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The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.

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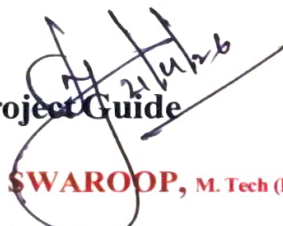
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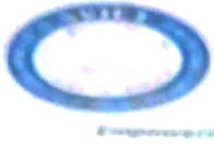
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This is to certify that the thesis entitled "IMPLEMENTATION OF 12-BIT R-2R DAC USING CADENCE VIRTUOSO IN GPDK 90nm CMOS TECHNOLOGY" being submitted by

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This is to certify that the thesis entitled “**DESIGN AND VERIFICATION OF VENDING MACHINE USING VERILOG AND SYSTEMVERILOG**” being submitted by

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This is to certify that the thesis entitled **“WIDE LOAD RANGE, HIGH CURRENT ACCURACY LOW DROP OUT REGULATOR WITH LOAD TRACKING COMPENSATION AND DUAL SOFT START FOR WIRELESS CHARGING SYSTEM”** being submitted by

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|------------------------|-------------------|
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| <b>K.SAI RAJESH</b>    | <b>23MQ5A0415</b> |
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In partial fulfilment of the requirements for the award of degree of Bachelor of Technology in Electronics and Communication Engineering from **Jawaharlal Nehru Technological University Kakinada, Kakinada** is a record of Bonafide work carried out by them at Sri Vasavi Institute of Engineering & Technology.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.

  
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